

Application No. 09/926,743
Reply to Office Action of April 7, 2004

Abstract of the Disclosure

A new abstract of the application is provided in the attached sheet of a new abstract which is believed sufficient to obviate the objection which has been raised. Entry of the new abstract is respectfully requested.

ABSTRACT OF THE DISCLOSURE

A process for preventing undesired polymerization is conducted by maintaining an effective concentration of a stabilizer which comprises N-oxyl radicals in a mixture containing ethylenically unsaturated compounds, wherein

- (i) an electronic signal which correlates with the concentration of the N-oxyl radicals in the mixture is obtained periodically or continuously,
- (ii) the electronic signal is compared with a reference value, and
- (iii) addition of a stabilizer to the mixture is controlled according to the comparison (ii).

The signal is preferably obtained by ESR measurement. The process permits efficient use of the stabilizer.